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APPLICANT:

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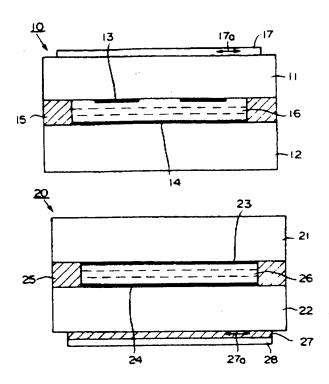
ISHIBASHI TADASHI;

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G02F 1/133 G09F 9/00

TITLE

LIQUID-CRYSTAL DISPLAY DEVICE



ABSTRACT :

PURPOSE: To invert the tone of a turn-on pattern instantaneously by composing a two-layer cell of two substrates each having an electrode over the entire surface and by turning on-off a voltage applied to the electrodes.

CONSTITUTION: The 1st liquid-crystal element 10 having an upper-plate electrode 13 in a prescrived pattern and a lower-plate electrode as an entire-surface electrode, and the 2nd liquid-crystal element 20 having upper-plate and lower-plate electrodes 23 and 24 as entire-surface electrodes are laminated, and to the external surfaces of the upper-plate and lower-plate substrates 11 and 22, polarizing plates 17 and 27, and a reflecting plate 28 are stuck. When the 1st liquid-crystal element 10 is turned on a the 2nd liquid-crystal element is turned off, liquid crystal corresponding to the turn-on pattern of the upper electrode 13 of the 1st liquid-crystal element 10 is disabled to flash, the turn-on pattern is displayed as a dark part and a background part around the turn-on pattern is displayed as a bright part. When both the elements 10 and 20 are both turned on, the turn-on pattern is bright and the background is dark. Thus, the 2nd element is turned on-off corresponding to the daytime and nighttime to obtain easy-to-see display.

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Antériorise totalement le mode de véolisation correspondant à la figure 9. (PL1//PL2 * cadran clair) --- souf à pretendre que le reflecteur 28 et un cadran clair me sont pas des moyeurs oquivalents